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(Project 4720-2005-018)

MIL-DTL-81581/7A

SUPERSEDING
MIL-H-81581/7(1)
16 October 2000

DETAIL SPECIFICATION SHEET

HOSE ASSEMBLIES, COMBINED ASSEMBLIES, HOSE AND COMMUNICATION CABLE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the hose assembly described herein shall consist of this document, the individual detail specifications for the hoses and cables of the combined assembly, and the issue in effect of MIL-DTL-81581.

1. SCOPE

1.1 Scope. This specification covers the detail requirements for hose assemblies covered by individual detail specifications and fastened together in some manner to make up a combined hose assembly.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specification forms a part of this document to the extent specified herein. Unless otherwise specified, the issue of this document is cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATION

MIL-DTL-81581 - Hose Assemblies, Breathing Oxygen and Air:
General Specification for.

(Copies of the above specification are available online at <http://assist.daps.dla.mil/quicksearch> or <http://assist.daps.dla.mil/> or from the Standardization Document Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

Comments, suggestions, or questions on this document should be addressed to: Commander, Naval Air Warfare Center Aircraft Division, Code 491000B120-3, Highway 547, Lakehurst, NJ 08733-5100 or emailed to thomas.omara@navy.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <http://assist.daps.dla.mil/>.

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2.1.2 Other Government documents, drawings, and publications. The following drawing forms a part of this document to the extent specified herein. Unless otherwise specified, the issue of this drawing is cited in the solicitation or contract.

NAVAL AIR SYSTEMS COMMAND DRAWING

282AS100 - Hose and Communication Cable Index,
Combined Assemblies

(Copies of the above drawing are available from the Naval Air Technical Data and Engineering Service Command (NATEC), P.O. Box 357031, NASNI, Bldg. 90, San Diego, CA 92135-7031 or mail to: http://nani_governmentdrawings@navy.mil/.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein (except for related specification sheets), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specified exemption has been obtained.

3. REQUIREMENTS

3.1 Requirements. Requirements shall be in accordance with the applicable detail specifications of the individual hose assemblies used in the combined assembly and with the requirements specified herein.

3.2 Qualification. The host assembly furnished under this specification shall be a product which is qualified for listing on the applicable qualified products list at the time set for opening for bids. Qualification will be in accordance with groups as listed on drawing 282AS100. Qualification approval of any individual hose assembly listed within a group will automatically qualify a manufacturer for all other items listed within the group, provided the conditions set forth in MIL-DTL-81581 are complied with.

3.3 First article. When specified, a sample shall be subjected to first article inspection (see 4.1.2).

3.4 Design and construction. The hose assembly shall be in accordance with the general specification and with the applicable drawing listed on NAVAIR drawing 282AS100.

3.5 Performance. The performance of the combined hose assembly shall be in accordance with the performance requirements specified in the detail specifications for the individual assemblies making up the combined assembly along with the requirements specified herein.

3.5.1 Visual examination. When subjected to the visual examination specified in 4.2.1, the combined assembly shall be in accordance with the applicable NAVAIR drawing specified in

drawing 282AS100. The hose assemblies and or cable assemblies of the combined assembly shall be assembled as specified in the applicable drawing. There shall be no missing, loose, malformed, fractured or damaged components. There shall be no incorrect assembling or improper positioning of components. There shall not be any functioning part that works with difficulty. There shall not be any faulty workmanship or other irregularities.

4. VERIFICATION

4.1 Sampling and inspection. Sampling and inspection shall be in accordance with the applicable detail specification for the individual hoses of the combined assembly and as specified herein for the combined assembly.

4.1.1 Qualification inspection. The qualification inspection of the combined hose assembly shall consist of those inspections required for qualification of the individual hoses or cables of the combined assembly and with the visual examination specified in 3.5.1.

4.1.1.1 Qualification samples. The qualification samples shall consist of four combined assemblies of the part number contracted for.

4.1.2 First article inspection. The first article inspection of the hose assembly shall consist of the applicable examinations and tests specified in the general specification with the applicable procedure as specified herein.

4.1.2.1 First article samples. The first article sample shall consist of four hose assemblies of each style contracted for.

4.1.3 Conformance inspection. Conformance inspection shall consist of those inspections required for the conformance inspection of the individual hoses and/or cables of the combined assembly and with the visual inspection specified in 3.5.1.

4.1.4 Sample size. The sample size shall be every combined assembly and the acceptance criteria shall be to reject all defective units.

4.2 Test and examinations.

4.2.1 Visual examination. Every combined assembly shall be examined visually and shall conform to the requirements of 3.5.1.

5. PACKAGING

5.1 Packaging shall be in accordance with the general specification.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The combined assembly covered by this detail specification is intended for use in supplying breathing oxygen or air to aircrewmembers in the operation of aircraft.

6.2 Acquisition requirements. Acquisition requirements should be in accordance with the general specification.

6.3 Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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